

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for protection of contactless signal transmission from a transmitter to a receiver, comprising subjecting a signal to reshaping before being transmitted, such that the signal transmission occurs using variable electromagnetic waves, at least one of reproducibility and transmissibility is exacerbated, and the reshaping or non-reshaping of the signal can be detected and distinguished by a detector in the receiver so as to determine that the signal is coming from the transmitter, wherein the receiver includes a detector which includes a sensor to convert a magnetic flux density of the signal or a magnetic field strength of the signal to an electrical voltage or an electrical current.

2. (original) The method as claimed in claim 1, the signal being subjected to reshaping in a predetermined sequence in time, and detection being carried out in the receiver to determine whether the reshaping is carried out in the predetermined sequence in time.

3. (Currently Amended) A signal transmission device, comprising:

a transmitter having a reshaping device connected to an antenna, which subjects a signal sent from the transmitter for wire-free signal transmission in such a manner that the signal transmission occurs using variable electromagnetic waves and at least one of reproducibility and transmissibility is exacerbated; and

a receiver having a detector which supplies an output signal when reshaping is present, such that the detector can distinguish a reshaped signal from a non-reshaped signal to determine that the signal is coming from the transmitter, wherein the detector includes a sensor to convert a magnetic flux density of the signal or a magnetic field strength of the signal to an electrical voltage or an electrical current.

4. (Previously Presented) The signal transmission device as claimed in claim 3, the transmitter including a coding device which activates the reshaping device in a predetermined manner in time, and the receiver including a comparison device which checks whether a received signal is preemphasized in the predetermined manner in time.

5. (canceled)

6. (previously presented) The signal transmission device as claimed in claim 3, the reshaping device including a diode which is included in a line between a signal generator and the antenna.

7. (canceled)

8. (previously presented) The signal transmission device as claimed in claim 3, the reshaping device including a series circuit, comprising a diode and a differentiation element, in a line between a signal generator and the antenna.